



US00D934816S

(12) **United States Design Patent**  
**Chen**

(10) **Patent No.:** **US D934,816 S**

(45) **Date of Patent:** **\*\* Nov. 2, 2021**

(54) **REMOTE CONTROLLER OF STRING LIGHTING**

(71) Applicant: **Linfei Chen**, Guangdong (CN)

(72) Inventor: **Linfei Chen**, Guangdong (CN)

(73) Assignee: **Shenzhen Suntech Lighting Co., Ltd.**,  
Guangdong (CN)

(\*\*) Term: **15 Years**

(21) Appl. No.: **29/741,971**

(22) Filed: **Jul. 17, 2020**

(51) **LOC (13) Cl.** ..... **14-03**

(52) **U.S. Cl.**  
USPC ..... **D13/168**

(58) **Field of Classification Search**  
USPC ..... D13/168; D14/218  
CPC ..... G08C 17/02; G08C 19/00; G08C 19/12;  
G08C 19/28; G08C 23/04; H04B 1/202;  
H05B 45/00; H05B 47/10; H05B 47/19;  
H03J 9/00; H03J 9/02; H03J 9/04; H03J  
9/06; H03J 1/0025; H01H 9/0225; H01H  
9/0228; H01H 9/0235; F21S 4/00; F21S  
4/10; F21S 4/28

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D533,514 S *	12/2006	Hidalgo	.....	D13/168
D568,827 S *	5/2008	Ikeda	.....	D13/168
D620,456 S *	7/2010	Akana	.....	D13/168
D621,371 S *	8/2010	Sheppard	.....	D13/168
D633,478 S *	3/2011	Bolton	.....	D14/218
D645,848 S *	9/2011	Arnholt	.....	D14/218
D714,761 S *	10/2014	O'Neil	.....	D14/218
D723,478 S *	3/2015	Turksu	.....	D13/168
D742,857 S *	11/2015	Andresen	.....	D14/218
D743,944 S *	11/2015	Karrman	.....	D14/218

D752,555 S *	3/2016	Langhammer	.....	D14/218
D795,842 S *	8/2017	Cha	.....	D14/218
D828,336 S *	9/2018	Matvienko	.....	D14/218
D873,245 S *	1/2020	Russo	.....	D14/218
10,681,793 B1 *	6/2020	Sanson	.....	H05B 45/20
D898,685 S *	10/2020	Zhang	.....	D13/168
D899,381 S *	10/2020	Zhang	.....	D13/168
D912,635 S *	3/2021	Birchler	.....	D13/168
2015/0208491 A1 *	7/2015	Lipscombe	.....	H05B 47/19 315/113
2017/0076589 A1 *	3/2017	Wengreen	.....	G08C 17/02
2017/0213448 A1 *	7/2017	Matvienko	.....	H04L 67/125
2017/0307159 A1 *	10/2017	Li	.....	H05B 47/105
2017/0350564 A1 *	12/2017	Mellor	.....	F21S 2/005
2020/0022241 A1 *	1/2020	Tang	.....	F21K 9/272

**OTHER PUBLICATIONS**

LED Strip Light Controller, Sep. 23, 2020; 2 pgs.; [https://www.amazon.com/Controller-Control-Unlimited-Function-Bluetooth/dp/B08JTHCL7W/ref=sxin\\_14\\_ac\\_d\\_rm?ac\\_md=0-0-bGVkHhN0cmIwGxpZ2h0cyBjb250cm9sbGVy-ac\\_d\\_rm\\_rm\\_rm&cv\\_ct\\_cx=led+strip+lights+controller&dchild=1&keywords=led+strip+lights+controller&pd\\_rd\\_i=B08JTHCL7W&.\\*](https://www.amazon.com/Controller-Control-Unlimited-Function-Bluetooth/dp/B08JTHCL7W/ref=sxin_14_ac_d_rm?ac_md=0-0-bGVkHhN0cmIwGxpZ2h0cyBjb250cm9sbGVy-ac_d_rm_rm_rm&cv_ct_cx=led+strip+lights+controller&dchild=1&keywords=led+strip+lights+controller&pd_rd_i=B08JTHCL7W&.*)

(Continued)

*Primary Examiner* — Selina Sikder

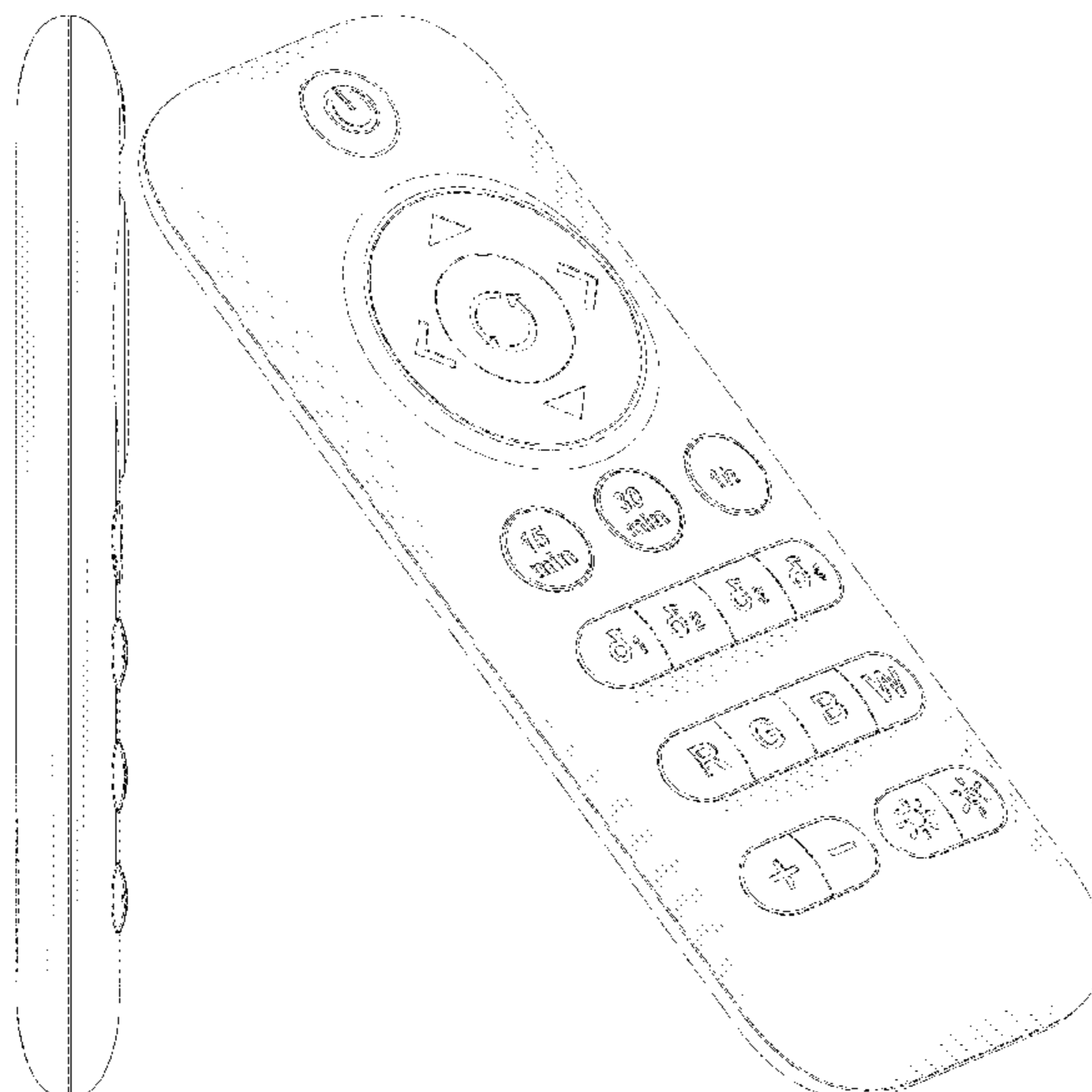
(57) **CLAIM**

The ornamental design for a remote controller of string lighting, as shown and described.

**DESCRIPTION**

FIG. 1 is a front view of a remote controller of string lighting showing my new design;  
FIG. 2 is a rear elevational view thereof;  
FIG. 3 is a left side elevational view thereof;  
FIG. 4 is a right side elevational view thereof;  
FIG. 5 is a top plan view thereof;  
FIG. 6 is a bottom plan view thereof; and,  
FIG. 7 is a perspective view thereof.

**1 Claim, 7 Drawing Sheets**



(56)

**References Cited**

OTHER PUBLICATIONS

DC 12V-24V 18A LED Lights RF Controller 24Key RGB Remote Controller; Sep. 12, 2017; 2pgs.;[https://www.amazon.com/12V-24V-Lights-Controller-Remote-Module/dp/B075KG936P/ref=sr\\_1\\_7?dchild=1&keywords=led+controller+and+rf+remote&qid=1628101081&sr=8-7](https://www.amazon.com/12V-24V-Lights-Controller-Remote-Module/dp/B075KG936P/ref=sr_1_7?dchild=1&keywords=led+controller+and+rf+remote&qid=1628101081&sr=8-7).\*

Mi Light Wireless 2.4G RF RGB + White\_Warm White Controller Kit, Aug. 3, 2019; 1 pg.; [https://www.amazon.com/Wireless-Controller-Controllers-Compatible-Multicolor/dp/B06XSVL9CG/ref=sr\\_1\\_45?crid=10SWI1D6K124G&dchild=1&keywords=led%2Brf%2Bremote%2Bcontrol&qid=1628101754&prefix=led%2Brgf%2Br%2Caps%2C147&sr=8-45&th=1](https://www.amazon.com/Wireless-Controller-Controllers-Compatible-Multicolor/dp/B06XSVL9CG/ref=sr_1_45?crid=10SWI1D6K124G&dchild=1&keywords=led%2Brf%2Bremote%2Bcontrol&qid=1628101754&prefix=led%2Brgf%2Br%2Caps%2C147&sr=8-45&th=1).\*

Mi Light fut089 Remote Controller; May 28, 2017; 2 pgs.; [https://www.amazon.com/dp/B07C739L6R/ref=sspa\\_dk\\_detail\\_0?psc=1&pd\\_rd\\_i=B07C739L6Rp13NParams&spLa=ZW5jcmlwdGVkUXVhbGlmaWVyPUExNUtSNiIyRFpBR1ZGJmVuY3J5cHRIZEIkPUeWMDgwODU5MVdJRUXORIo3RkeE3ViZlbnNy eXB0ZWRBZEIkPUEwODg5MzQ4M000RlpGTFhGMDhEVSZ3aWRnZXROYWlIPXNwX2RldG](https://www.amazon.com/dp/B07C739L6R/ref=sspa_dk_detail_0?psc=1&pd_rd_i=B07C739L6Rp13NParams&spLa=ZW5jcmlwdGVkUXVhbGlmaWVyPUExNUtSNiIyRFpBR1ZGJmVuY3J5cHRIZEIkPUeWMDgwODU5MVdJRUXORIo3RkeE3ViZlbnNy eXB0ZWRBZEIkPUEwODg5MzQ4M000RlpGTFhGMDhEVSZ3aWRnZXROYWlIPXNwX2RldG).\*

\* cited by examiner

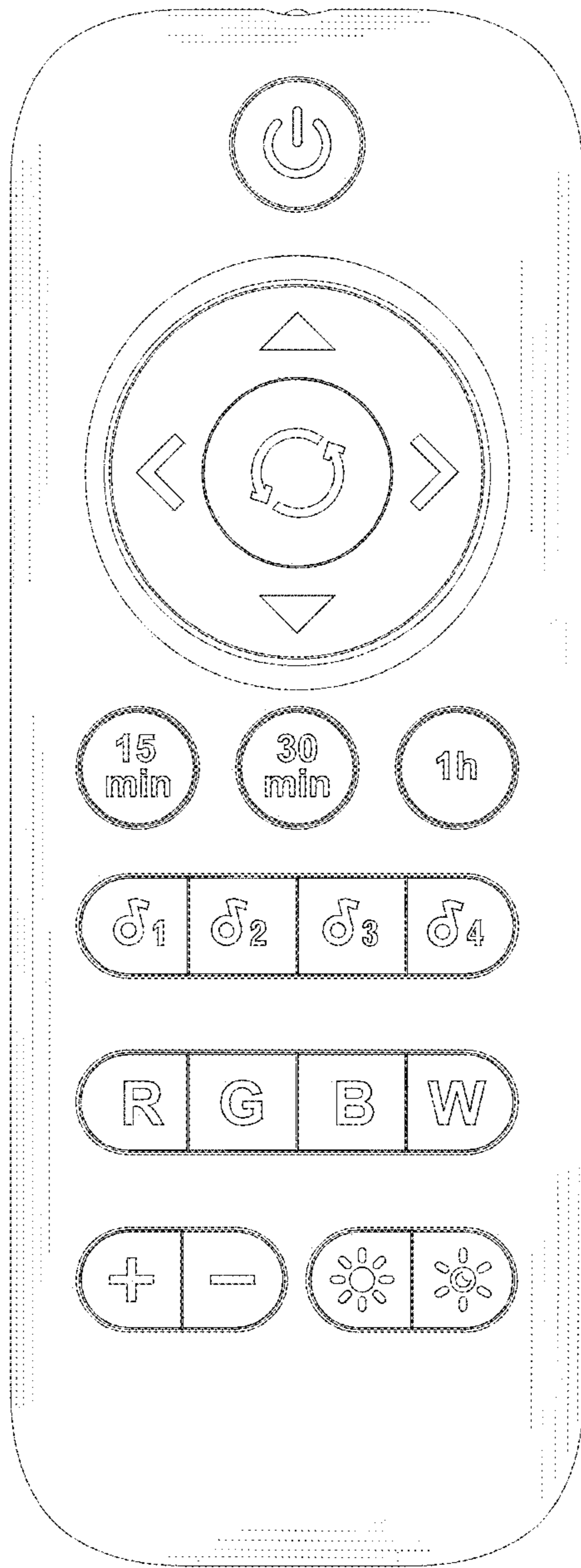


FIG. 1

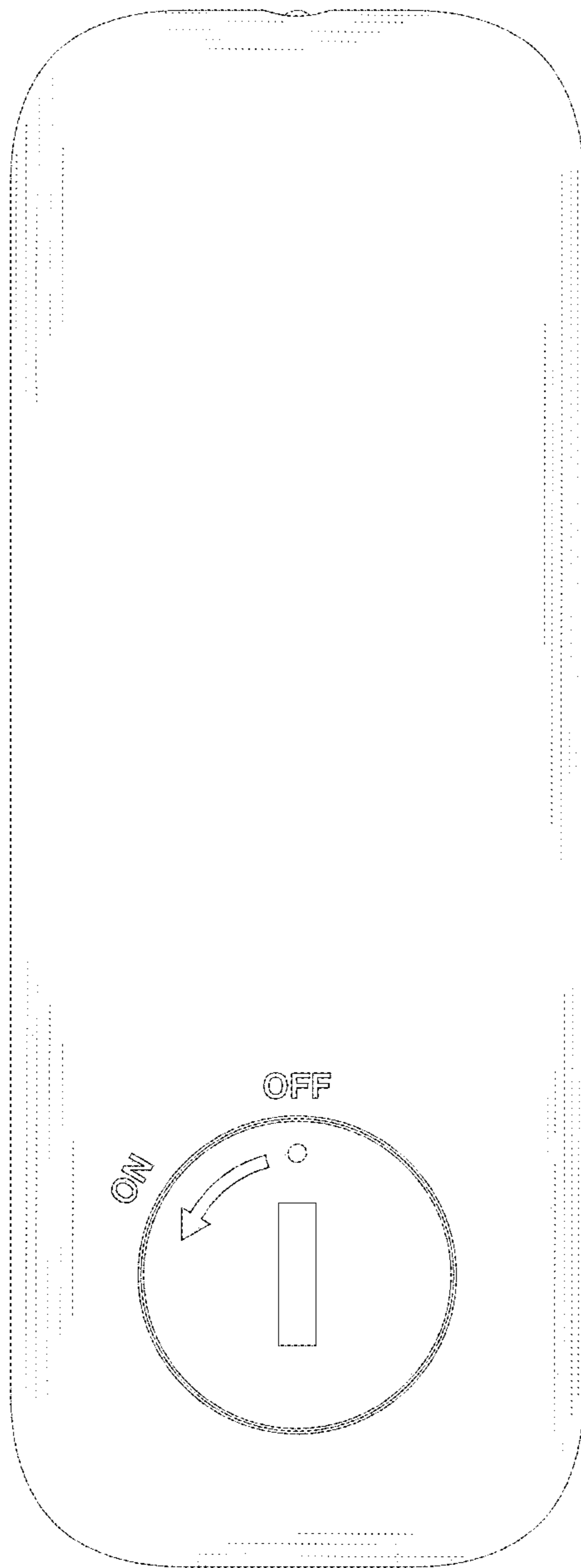


FIG. 2

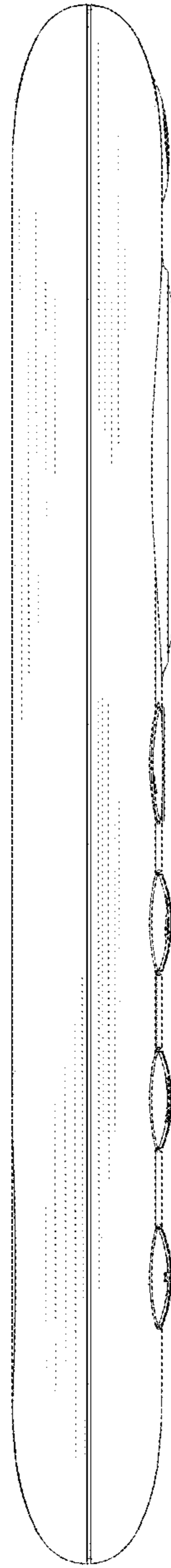


FIG. 3

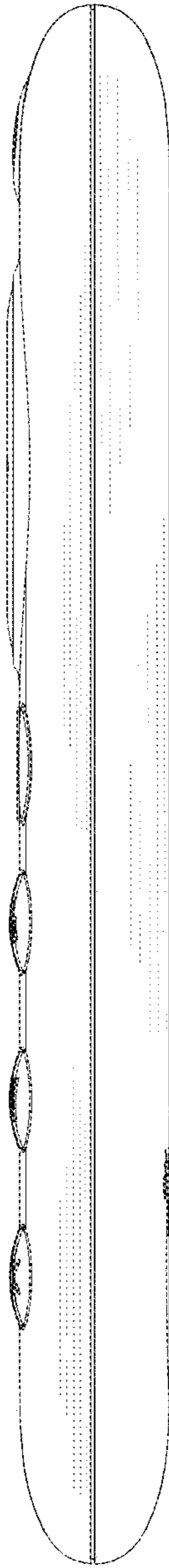


FIG. 4

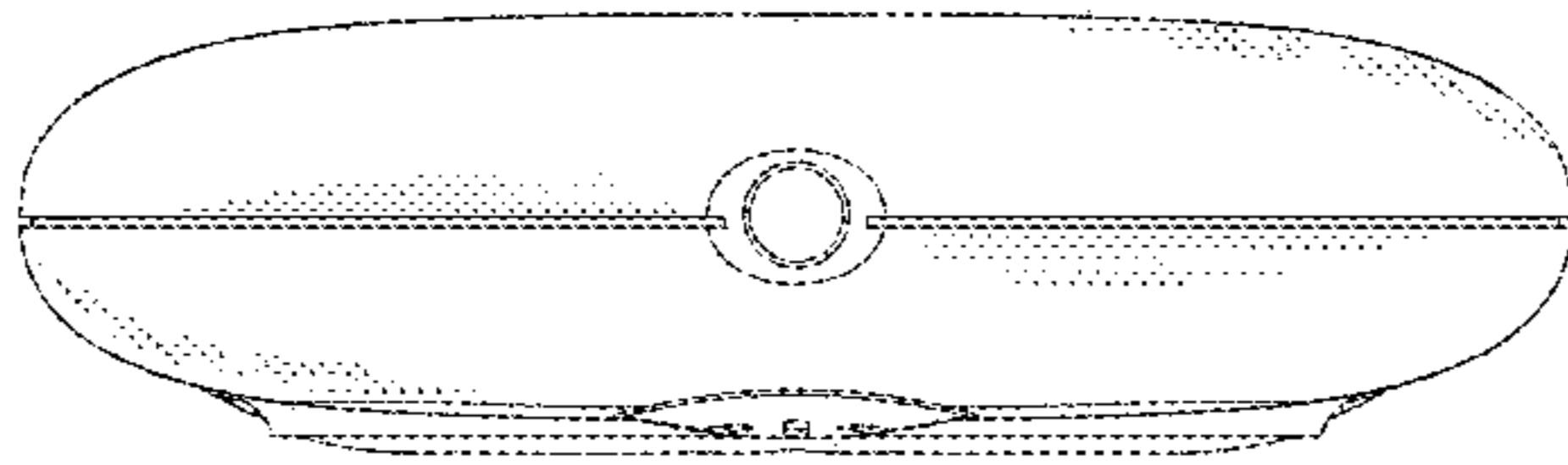


FIG. 5



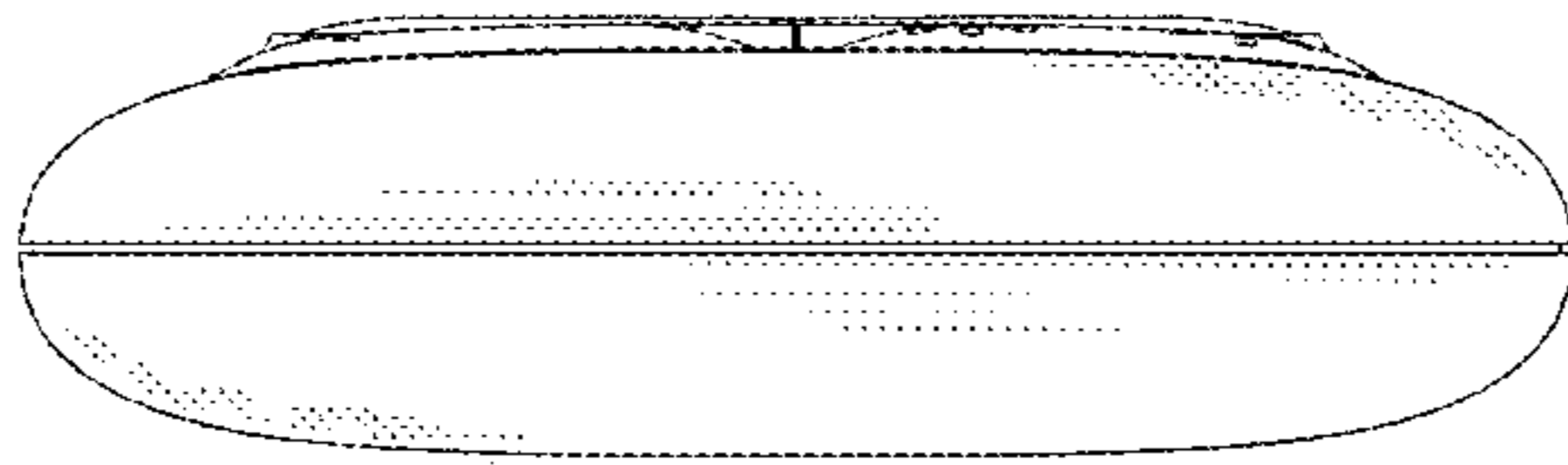


FIG. 6



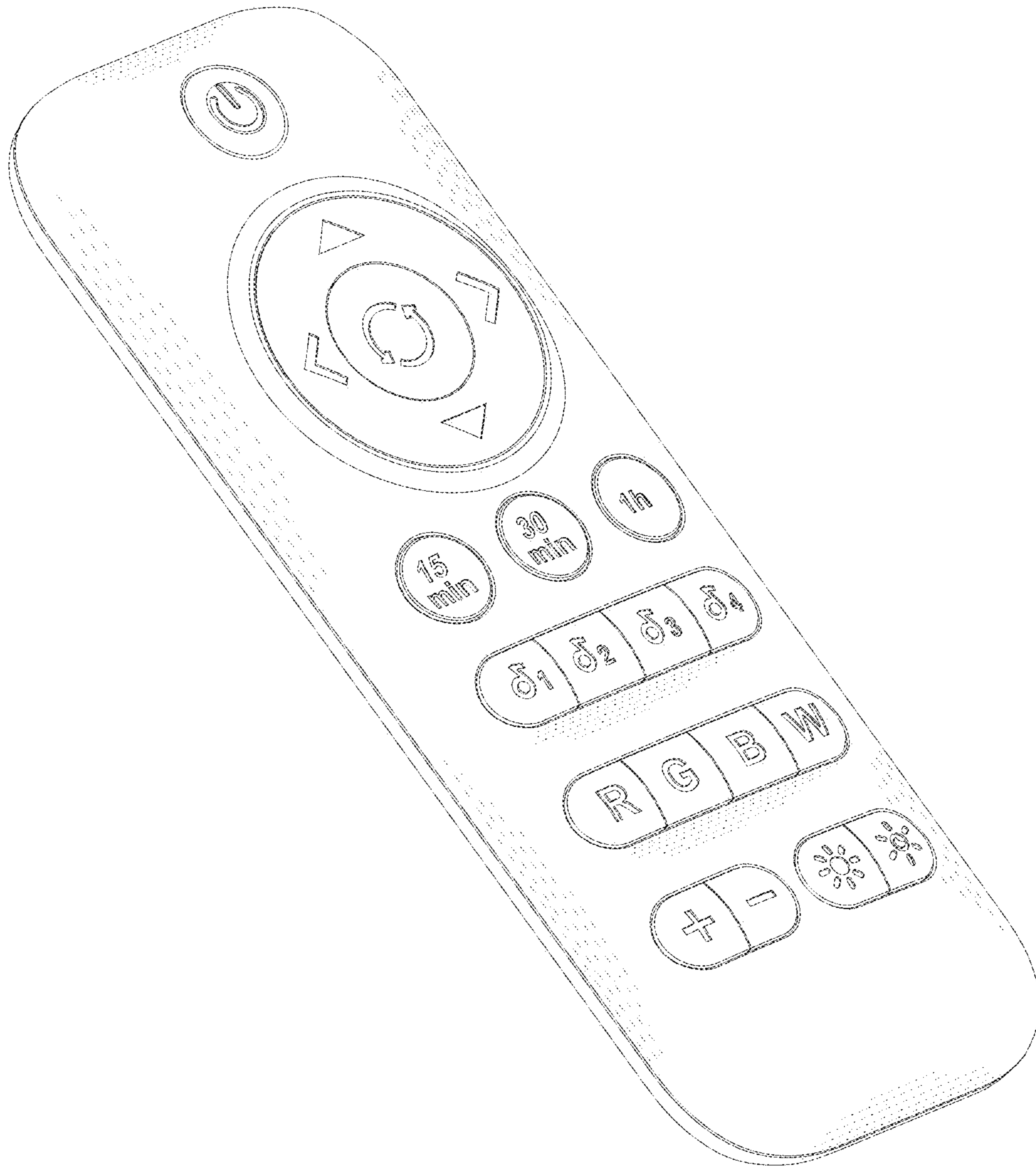


FIG. 7